

35. The method of claim **34**, further comprising tuning one of the plurality of analyte sensors to be sensitive to low blood glucose levels.

36. The method of claim **35**, further comprising tuning another of the analyte sensors to be sensitive to high blood glucose levels.

37. The method of claim **31**, wherein each of the plurality of analyte sensors has a different predetermined interval.

38. The method of claim **31**, wherein the predetermined amount is 6%.

39. The method of claim **21**, further comprising:
providing an inertial measurement unit;
generating an electrical signal from the inertial measurement unit; and
determining the control signal for the infusion pump using the electrical signal from the inertial measurement unit in.

40. The method of claim **21**, further comprising:
providing a heart rate sensor;
generating an electrical signal from the heart rate monitor; and
determining the control signal for the infusion pump using the electrical signal from the heart rate monitor.

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